Brett

MEETING NOTICE MEETING NOTICE MEETING NOTICE

THERE WILL BE A REGULAR BOARD MEETING OF THE WWARA, THURSDAY, Nov 4 7PM AT THE RADIO CLUB OF TACOMA...1249 SOUTH WASHINGTON TAOMA. TALK IN FREQUENCY IS 147.88/28. COFFEE AND GOODIES PROVIDED.

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MINUTES OF THE AUGUST 14TH MEETING OF THE WWARA

THE MEETING, HELD AT THE RADIO CLUB OF TACOMA HAMFAIR, WAS CALLED TO ORER BY CAIRMAN JON MARCINKO, W7FHZ, AT 1:34PM..

INTORDUCTIONS WERE MADE BY THOSE PRESENT, STARTING WITH THE OFFICERS,

JON MARCINKO	W7FHZ	CHAIRMAN...53.29 TIGER MOUNTAIN
BOB ST ANDRE	WA7NAN	VICE CHAIRMAN...2/220/450 REPEATERS
CLAY FREINWALD	K7CR	SECRETARY/TREASURER...53.15 GOLD MTN.
PETER DAHL	WA7FUS	BOARD MEMBER...W7DK/R RADIO CLUB OF TACOMA
JOHN KELLEY	W7KKN	BOARD MEMBER...38/98 & 224.42 REPEATERS
DON ROSE	W7JPH	BOARD MEMBER...SNO-KING 146.78/W7JPH UHF RPTR.

(BOARD MEMBER WB7PKM ABSENT DUE TO A WORK SCHEDULE CONFLICT)

OTHERS IN ATTENDANCE INCLUDED:

DON DEVRIES	WB7OPZ	LYMAN HILL 59/19
CORIENE DEVRIES	KA7ACY	" " "
BILL DAVIS	KC7UW	224.98 EVERETT
HAROLD RHODES	N7CZX	145.25 OLYMPIA
RICHARD CHYCOKI	VE7CVS	VE7RBY BURNABY
AL STEVENSON	VE7EWB	BCFMCA/BCFCC
DAVID STEVENSON	-	CHIEF OPERATOR
FLOYD BEARDSELL	VE7HI	VE7RMR MAPLE RIDGE
BOB SMITS	VE7EMD	BCFMCA, VE7RPT VANCOUVER
BUCK STRICKLAND	W7FCH	MT BAKER ARC RPTR GROUP, BELLINGHAM
JOHN BROWN	W7CKZ	ARRL PIA
KEN KOSTER	WA7RYP	449.95 KIRKLAND
FRANK REMINGTON	K7GSE	SEA-TAC REPEATER ASSN.
KEN RAU	K7YR	K7LED/R SEATTLE
DON REMBAUGH	WA7KBK	K7LED/R
BILL TILTON	K7OKC	BAW FAW REPEATER GROUP
STEVE CLAGETT	KA7NNO	
TOM POWELL	WB7NDO	
BERNICE POWELL	WB7ALA	
DON ASHLEY	W7HMJ	K7RBR/R OLYMPIA
JESS McCABE	K7IKC	
DON SIMONSEN	K7AEJ	SPOKANE AREA
DEWEY L HEE	WB7OEY	

THE CHAIRMAN WELCOMED ALL THOSE IN ATTENDANCE AND THEN CALLED FOR THE TREASURER'S REPORT. CLAY, K7CR, REPORTED THE FOLLOWING:

BEGINING BAL.....	$350.70
INCOME (DUES).....	40.00
	390.31

EXPENSES (SINCE LAST REPORT)	
STAMPS.....	$62.90
MAPS.....	13.81
DISPLAY BOARD.....	9.02
PRINTING.....	35.00
MAP TACKS.....	7.97
	- 128.70
CURRENT BALANCE	$261.61

western washington amateur relay association

215 Idlewood Dr. SW * Tacoma 98498

THE CHAIRMAN CALLED FOR PRESENTATION OF BILLS. THERE WERE NONE. HE FURTHER ASKED IF THERE WERE ANY QUESTIONS ABOUT THE TREASURER'S REPORT. HEARING NONE THE CHAIR CALLED FOR THE SECRETARY'S REPORT. CLAY, K7CR, REPORTD ON THE FOLLOWING MATTERS:

1. THE NEW ROSTER OF WWARA REPEATERS WAS MAILED IN THE LAST MAILING WITH ONE SMALL GOOF. THE DATE WAS NOT CHANGED ON THE MASTER AND SHOULD HAVE READ 8/82 INSTEAD OF 11/81. THIS DATA WAS BASED ON THE LATEST INFORMATION. SOME SYSTEMS, HOWEVER HAD TO BE GUESSED ON, DUE TO FAILURE OF THE SYSTEM TO FILE AN UP DATED TECH DATA FORM. HE APPEALED TO REPEATER OWNERS TO KEEP THE SECRETARY UP TO DATE.

2. A NOTE WAS RECEIVED FROM W7FEN CONCERNING AN AMATEUR COMPUTER EXPERIMENTER (ACE) NET ON 146.55 DAILY. NO TIME WAS GIVEN.

3. A LETTER WAS READ FROM STAN JONES, K7PER, GIVING DETAILS OF THE CHANGE IN LOCATION OF THE 147.86/26 REPEATER TO A NEW LOCATION IN WOODINVILLE. ELEVATION IS STILL 600 FEET. CHANGES INCLUDE POORER COVERAGE OF PUGET SOUND AND SOUTH WITH BETTER COVERAGE OF THE EAST SIDE AND EVERETT.

4. CORRESPONDANCE HAS TAKEN PLACE WITH MIKE MLADEJOVSKY, WA7ARK, THE UTAH STATE COORDINATOR. THEY HAVE RECENTLY ADOPTED THE 20 KHz BAND PLAN FOR ALL OF TWO METERS. THE SECRETARY HAS PLACED THEM ON THE WWARA MAILING LIST.

5. THE SECRETARY READ SEVERAL APPLICABLE ARRL BULLETINS.

THE CHAIR CALLED FOR COMMITTEE REPORTS.

10-6 METERS:

CLAY, K7CR, WHO HANDLES THIS BAND REPORTED THAT WE HAVE SOME 9 REPEATERS COORDINATED WITH THE FOLLOWING HIGHLIGHTS.

CAPITOL PEAK, 53.03 CHANGED ANTENNAS FROM A SINGLE BAY TO A FULL 4 BAY DB PRODUCTS SYSTEM. THIS REPEATER IS ONE OF THE OLDEST IN THE STATE.

W7UMH REPORTS THEY ARE WAITING FOR A CHANCE TO BUY A COMMERCIAL REPEATER AND DUPLEXER SO THEY CAN PUT THEIR 53.09 REPEATER INTO ACTION ON 4,250 FOOT LYMAN HILL, NORTHWEST OF SEDRO WOOLLEY.

THE TACOMA BASED CHANNEL 1 REPEATER GROUP HAS MOVED THEIR 53.15 REPEATER TO WEST GOLD MOUNTAIN NEAR BELFAIR. THE MACHINE WAS AT THE INDIAN HILL TOWER, BETWEEN TACOMA AND FEDERAL WAY.

RON, WA7OEE, REPORTED THAT HE PLANS ON HAVING THE 53.25 MACHINE ON THE AIR FROM ENUMCLAW IN THE MONTH OF SEPTEMBER.

THE CHAIRMAN REPORTED THAT 2 METERS IS FULL WITH ONLY TWO POSSIBLE PAIRS FOR FUTURE REPEATERS. 147.34, WHEN SALT SPRING MOVES AND 146.68 WHEN AND IF MISSION RIDGE MOVES.

PETER DAHL, WA7FUS, BOARD MEMBER AND 220 COORDINATOR REPORTED THE FOLLOWING, CONCERNING THE ACTIVITY ON THIS BAND:

CURRENTLY THERE ARE EIGHT COORDINATED AND REGULARLY OPERATIONAL 220MHz REPEATER SYSTEMS IN WESTERN WASHINGTON. SEVERAL MORE SYSTEMS HAVE BEEN COORDINATED, INCLUDING THOSE OF THE BEARS AND THE RADIO CLUB OF TACOMA. I UNDERSTAND THAT THE BEARS REPEATER SHOULD BE ON THE AIR WITHIN A MONTH AND THE TACOMA CLUB'S MACHINE IS SEVERAL MONTHS AWAY. THERE ARE OTHER REPEATERS, WHICH HAVE BEEN COORDINATED AND OPERATE OCCASIONALLY.

THERE SEEMS TO BE A GROWING INTEREST IN THE 220 BAND SINCE THE ICOM 220 HANDHELD WAS INTRODUCED AND BECAME READILY AVAILABLE. MANY OF US ARE EAGERLY AWAITING CONFIRMATION OF THE WIDESPREAD RUMOR THAT ICOM WILL SOON BEGIN MANUFACTURING A 220 MOBILE TRANSCEIVER TO BE MODELED AFTER THEIR IC-25. THERE ALSO MAY BE A 440MHz RADIO IN THE SERIES , SAY THE RUMORS. SOUNDS GOOD!

BOTH OF THE WINNERS OF ICOM HANDHELDS AT THE RECENT TACOMA HAMFAIR '82' CHOSE THE IC-3AT, THE 220MHz MODEL....

JOHN MARCINKO, W7FHZ, CHAIRMAN AND UHF COORDINATOR REPORTED ON ACTIVITY ON 450...

SUMMARY OF UHF REPEATER HAPPENINGS GIVEN AT THE HAMFAIR GENERAL BUSINESS MEETING BY UHF COORDINATOR, JON MACINKO, W7FHZ

CAPITOL PEAK IS NOW IN OPERATION ON 444.45. 444.80 HAS MOVED TO A NEW LOCATION ON GOLD MOUNTAIN. WA7HTJ MOVED TO A NEW FREQUENCY ON TIGER MOUNTAIN, 444.650.

EVERETT IS NOW OPERATIONAL ON 444.60 UNDER CALL OF KE7A. NORTH WHIDBEY HAS BEEN COORDINATED 444.475. 444.200 SOON TO BE IN ISAQUAH UNDER WA7ATJ. 443.500 HEARD ON, IN TACOMA, W7FBV. 444.7 COORDINATED TO NORTH SEATTLE, K7RSP. 444.175 IS ON IN SOUTH WHIDBEY AND LOOKING FOR USERS. 444.375 IS ON THE AIR IN ISSAQUAH UNDER K7YR. 444.500 IS ON THE AIR FROM MT. VERNON AT 4,257 FEET. 444.300, WA7WKT, NOW HAS A BETTER ANTENNA ON GRASS MOUNTAIN.

AL STEVENSON, VE7EWB, CHAIRMAN OF THE BRITISH COLUMBIA FREQUENCY COORDINATION COMMITTEE REPORTED ON THE FOLLOWING:

THE BCFCC IS UP AND FUNCTIONING. MEETINGS WILL BE ABOUT ONE PER MONTH IN THE UP-COMING WINTER SEASON.

BC WOULD LIKE TO USE 146.68 FOR USE IN THE LOWER MAINLAND. THEY PLAN TO WRITE TO MISSION RIDGE EXPRESSING THIS DESIRE.

146.68 HAS BEEN COORDINATED TO ALERT BAY AT AN ELEVATION OF 5,000 FEET. THIS IS AT THE NORTH END OF VANCOUVER ISLAND.

THEY WILL LOOK AT THE FREQUENCY OF 146.72 FOR USE IN SHELTON, CO-CHANNEL TO A VANCOUVER MACHINE AND WILL ADVISE WWARA.

145.17 HAS BEEN COORDINATED FOR MT. WASHINGTON, 50 MILES NW. OF PORT ALBERNI, ELEVATION 5,000 FEET.

BCFCC IS LOOKING AT 145.21 FOR USE AT PARKSVILLE AT AN ELEVATION OF UNDER 500 FEET FOR USE IN PARKSVILLE, NW. OF NANAIMO.

SUREY WILL BE THE SITE OF A NEW REPEATER ON 147.04 THAT WILL SERVE THE METRO AREA. WILL BE RUNNING 10 WATTS WITH A 5db OMNI ANTENNA.

SALT SPRING WILL QSY TO 147.32, POSSIBLY WITHIN 60 DAYS.

CLAY, K7CR, REPORTED ON NEWS COMMING FROM ORRC VIA A PHONE CALL FROM DALE JUSTICE, K7WWR.

THE FREQUENCY OF 146.13/73 IS NO LONGER USED IN THE PACIFIC NORTH WEST WITH THE QSY OF A COUPLE OF MAJOR MACHINES.

146.73 PORTLAND HAS MOVED TO 146.84
146.73 PULLMAN HAS MOVED TO 146.74
147.09 PULLMAN HAS MOVED TO 146.08

KLAY, K7CR, REPORTED THAT WE DID NOT HAVE A REPRESENTATIVE FROM EASTERN WASHINGTON AT THE MEETING, NOR DID THEY SUBMIT ANY NEWS ITEMS AS TO THE STATUS OF COORDINATION IN EASTERN WASHINGTON. HOWEVER, HE DID MENTION THAT HE HAD TALKED WITH PHIL, WA7HTL, FROM SPOKANE WHO WAS CONCERNED ABOUT POSSIBLE PROBLEMS WITH EASTERN AND WESTERN WASHINGTON UHF REPEATERS TALKING TO EACH OTHER VIA SNEEK PATHS OVER THE CASCADES.

CLAY, K7CR, NORTHWESTERN DIVISION REPRESENTATIVE TO THE ARRL VHF REPEATER ADVISORY COMMITTEE, REPORTED ON CURRENT MATTERS BEING DISCUSSED.

THE NEW CHAIRMAN OF VRAC IS WHIT BROWN, WB0CJX FROM COLORADO.

THEY ARE LOOKING INTO THE IDEA OF HAVING REPEATERS GIVE THEIR LOCATIONS WITHIN THEIR ID'ERS (SOME DO THAT IN THIS AREA NOW). THIS WOULD ASSIST THE TRAVELING AMATEUR LOCATE REPEATERS, ETC..

THE MATTER OF GETTING THE MODEL CONTROL USERS OUT OF THE 6 METER REPEATER BAND SEEMS TO BE DRAWING TO A CLOSE WITH THE COMMITTEE MAKING FINAL, A PROPOSAL FOR THE BOARD.

THE BATTLE OF THE OPPOSING 15KHz SPLINTER SYSTEMS STILL RAGES, WITH SOME ON THE COMMITTEE PUSHING FOR MAKING THE AREA EAST OF THE ROCKIES 15KHz UP-RIGHT, LEAVING THE AREA WEST OF THE ROCKIES 15KHz REVERSE. HOWEVER, THEY DO RECOGNIZE THE 20KHz BAND PLAN THAT HAS NOW SPREAD TO 5 STATES AND ONE PROVINCE. CLAY IS ABSTAINING FROM VOTING ON THIS ONE, PREFERING TO ADVOCATE THE ROUTE THAT WE HAVE TAKEN IN THIS AREA. THE PROBLEM IS NOT GOING TO BE SOLVED WITHOUT A FIGHT SINCE THEIR ARE SEVERAL AREAS EAST OF THE DIVIDE THAT HAVE REVERSE SYSTEMS. LARGE AREAS LIKE TEXAS FOR INSTANCE. IT'S VERY COMFORTING TO SET BACK ON THE 20KHz SYSTEM AND LET THE REST OF THE COUNTRY DRAW BATTLE LINES.

THE LEAGUE IS TRYING TO COME UP WITH A SYSTEM OF TONE ACCESS CODES THAT COULD BE USED THROUGHOUT THE COUNTRY FOR SPECIALIZED USES SUCH AS TIME, WEATHER, SIGNAL STRENGTH, ETC..

CLAY ASKED FOR INPUT FOR THE VRAC, STATING, THAT ANY ONE WHO WOULD LIKE TO HAVE THEIR THOUGHTS, IDEAS, ETC MADE KNOWN AT THE LEAGUE, SHOULD CONTACT HIM.

THE CHAIR CALLED FOR OLD BUSINESS. NOTING THAT THERE WAS NONE, CALLED FOR NEW BUSINESS.

THE SECRETARY READ CORRESPONDANCE FROM KB7PI STATING THAT HE DID NOT WISH TO CONSTRUCT A UHF REPEATER AFTERALL. THE PAIR 448.575/443.575, WAS PLACED BACK INTO THE AVAILABLE POOL.

THE MATTER OF OVERLAP OF COVERAGE OF THE FERNDALE 145.23 REPEATER FROM THE NEW W7YCP OPERATION IN FEDERAL WAY ON THE SAME CHANNEL, WAS DISCUSSED, WITH THE SECRETARY GIVING A RECOUNT OF RELATED CORRESPONDANCE. IT APPEARS THAT THE FEDERAL WAY REPEATER'S COVERAGE TO THE NORTH, CONSIDERABLY EXCEEDS THEIR INTENTIONS AND IS CAUSING INTERFERENCE WITHIN THE INTENDED COVERAGE AREA OF THE FERNDALE OPERATION. THE RESULT OF THIS IS A LETTER OF COMPLAINT FROM W7UMH AND A REQUEST THAT THE WWARA TAKE ACTION. IT WAS BROUGHT UP THAT THE FEDERAL WAY GROUP WAS GOING TO REDUCE POWER FROM 75 TO 30 WATTS AND WOULD TRY AND SWAP FREQUENCIES WITH ANOTHER REPEATER OR POSSIBLY USE A DIRECTIONAL ANTENNA OR IN WORSE CASE, CHANGE SITES.

THE CHAIRMAN BROUGHT A RELATED MATTER UP, A COMPLAINT FROM THE TACOMA 145.21 GROUP COMPLAINING OF ADJACENT CHANNEL OVERLAP. IT WAS REPORTED THAT A MEMBER OF THE TACOMA GROUP, W7GCI, WAS VERY UPSET WIH THE WWARA FOR THIS REASON. N7AZO, DICK BIRKLAND, A MEMBER OF THE 145.21 GROUP STATED THAT HE HEARS THE 23 REPEATER ON 21, ON HIS 2030 KDK AT HIS HOME NEAR BONNEY LAKE. ALSO NOTED THE SAME PROBLEM IN AUBURN, WITH A KDK-2016. WA7NAN STATED THAT 20KHz REJECTION IS VERY GOOD IN MOST NEWER RADIOS AND NOTED SOME EXAMPLES OF HOW HE IS FACED WITH THE SAME SORT OF THING AT HIS HOME AND HAS NO PROBLEM. CAUTIONED THAT SOME RADIOS HAVE PROBLEMS WITH 30 KHz SPACING. N7AZO NOTED THAT HE HAS NO PROBLEMS WHEN BOTH REPEATERS ARE UP AND WENT ON TO EMPHASIZE THAT THE TACOMA MARINE REPEATER GROUP HAS NO BEEF WITH THE WWARA. W7KKN NOTED THAT W7GCI, IN HIS LETTER, COMPLAINED OF OVERLAP IN THE NORTH SOUND AREA. WONDERED EXACTLY WHERE THIS WAS? N7AZO REPLIED, HE HAD NO MORE DETAILS ON THIS. W7FHZ STATED THAT HE HAD THE MODULATION ETC OF THE 23 REPEATER EXAMINED AND FOUND THE MODULATION TO BE ASSEMETRICAL BUT WITHIN LIMITS OF 5KHz DEVIATION AND THE FREQUENCY TO BE CORRECT AND SUBMITTED THAT THE WWARA NEEDS MORE INFORMATION BEFORE THIS PROBLEM CAN BE EFFECTIVELY WORKED. WA7NAN WAS CONCERNED ABOUT THE HARD FEELINGS AND BOILING TEMPERS AND SUGGESTED THAT COOL HEADS ARE REQUIRED TO SOLVE THE PROBLEMS. N7AZO AGAIN STATED THAT HE WANTED TO COOPERATE. W7FHZ SAID THAT THE WWARA NEEDS YOUR COOPERATION AND SUGGESTED A SPECIAL MEETING BE ARRANGED TO HANDLE THE MATTER SO THAT ALL PARTIES ARE SATISFIED. URGED N7AZO TO CONTACT THE SECRETARY TO ARRANGE FOR THAT SPECIAL MEETING. WA7IYB SPOKE OF ADJACENT CHANNEL DE-SENSE IN TODAY'S RADIOS. W7FCH, WHO WAS REPRESENTING THE MT BAKER GROUP THAT OPERATES THE 145.23 REPEATER IN FERNDALE, WAS ASKED TO CHECK THE COVERAGE OF THE FEDERAL WAY REPEATER ON HIS WAY BACK HOME FROM HAMFAIR. W7FHZ MENTIONED THAT THE .23 GROUP MIGHT CONSIDER SWAPING WITH THE WA7IYS 147.84/24 REPEATER. HE INDICATED THAT THEY HAD ALREADY TALKED AND WOULD BE MAKING CO-CHANNEL TESTS SOON. WA7NAN COMMENDED WA7IYB FOR BEING COOPERATIVE.

THE MATTER OF PENDING COORDINATION OF THE SHELTON 145.13 REPEATER TO 146.68 CAME UP. DUE TO THE LACK OF ANY FORTH COMMING CHANGES FROM THE MISSION RIDGE REPEATER, HAS ASKED THE ASSOCIATION TO LOOK AT POSSIBLE USE OF 146.72. VE7EWB INDICATED THAT HE WAS AWARE OF THIS BUT HAD NOT HAD TIME TO RUN ANY TESTS AS OF YET. SEVERAL BOARD MEMBERS ASKED THE SHELTON REPRESENTATIVE ABOUT CO-CHANNEL MATTERS, USERS TO THE NORTH, ETC.. VE7EWB NOTED THAT THE .72 MACHINE IS CTCSS AND WILL RUN FURTHER TESTS WITH THE SHELTON GROUP AND ADVISE THE WWARA. K7CR INDICATED THAT THE MATTER HAD BEEN CLEARED WITH OREGON. THE BOARD THEN DIRECTED THE SECRETARY TO DECLARE THIS COORDINATION COMPLETE, PENDING THE APPROVAL OF BCFCC AND TO NOTIFY SHELTON WHEN AND IF BCFCC APPROVES.

W7IEU ASKED THE CHAIRMAN TO ANNOUNCE THE ARES ALERT FREQUENCY IS 145.695. THE SECRETARY ASKED FOR MORE DATA, IN PRINT, FOR THE NEWSLETTER.

A LETTER WAS READ FROM WB7EFJ, NOW KC7RO, REQUESTING COORDINATION OF A 2 METER REPEATER PAIR FOR SEARCH AND RESCUE. K7CR STATED THAT HE HAD TALKED WITH N7AGG EARLIER IN THE DAY ABOUT THIS MATTER AND HE URGED THE APPLICANT TO TALK WITH HIM, WITH REGARDS TO USING THE STATE DES FREQUENCY OF 145.15. IT WAS SUGGESTED THAT HE USE EXISTING REPEATERS OR PERHAPS, ONE OF THE SNP FREQUENCIES. W7FHZ ASKED THE SECRETARY TO CALL THE APPLICANT AND GIVE HIM THE OPTIONS. WA7NAN REMINDED ALL THAT OTHER BANDS ARE OPEN AND DON'T HAVE THE CONGESTION PROBLEMSAND OFFER IMMEDIATE COORDINATION. WB7USL SUGGESTED A PORTABLE REPEATER. K7DBU SAID, A PORTABLE REPEATER IS A GOOD IDEA AND THE VARIOUS SAR ORGANIZATIONS SHOULD HAVE SUCH EQUIPMENT, THAT THEY ALL COULD SHARE THE USE OF. VE7CVS STATED, THEY USE A PORT-A-PEATER TYPE DEVICE IN B.C. USING 146.58. W7FHZ AND WA7NAN STATED THAT THE WWARA HAS SEEN OTHER LETTERS LIKE THIS FROM THOSE WHO WANT REPEATERS AND APPROACHED THE WWARA WITH THE "IT WILL BE USED FOR SAR" IDEA. W7FHZ SAID HE KNEW THE APPLICANT AND FELT THE INTENT WAS GOOD. HE ASKED THE SECRETARY TO HANDLE THE MATTER.

WA7OEE REPORTED THAT HE IS HEARING HIS CO-CHANNEL B.C. REPEATER IN ENUMCLAW. STRESSED, IT IS NOT A COMPLAINT, JUST WANTED IT TO BE PART OF THE RECORD. THE B.C. OPERATION IS IN VANCOUVER.

WITH NO FURTHER BUSINESS TO BE BROUGHT BEFORE THE BOARD, THE DATES OF THE NEXT MEETING WAS DISCUSSED. IT WAS AGREED THAT THE NEXT BOARD MEETING WILL BE NOVEMBER 4TH, 7:30PM AT THE RADIO CLUB OF TACOMA, 1249 SOUTH WASHINGTON, TACOMA. FURTHER...THE NEXT GENERAL BUSINESS MEETING AND ELECTION OF OFFICERS, WILL BE AT THE RADIO CLUB OF TACOMA ON DECEMBER 4TH AT A TIME TO BE ANNOUNCED.

MEETING ADJOURNED AT 3:38PM.

RESPECTFULLY SUBMITTED,
CLAY FREINWALD, K7CR, WWARA SECRETARY

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R E P E A T E R N E W S

146.62

HISTORY WAS MADE SATURDAY AFTERNOON, SEPTEMBER 4TH, WHEN THE WESTERN WASHINGTON REPEATER ASSOCIATION (WWRA),OF BREMERTON, CHANGED FREQUENCY FROM 146.01/61 TO 146.02/62, MAKING THIS THE LAST WESTERN WASHINGTON REPEATER TO ALLIGN ITSELF WITH THE WWARA 20 KHz BAND PLAN. WESTERN WASHINGTON IS NOW 100 PERCENT ON THE 20KHz PLAN. THE FREQUENCY OF 146.68 WILL BE AVAILABLE FOR USE IN WESTERN WASHINGTON, WHEN AND IF MISSION RIDGE AGREES TO QSY. UNTIL THAT TIME THE WWARA IS RESERVING 2 REPEATER PAIRS FOR THEIR USE, 146.66 AND 146.68.

53.15

THE CHANNEL 1 REPEATER GROUP HAS MOVED ITS 6 METER MACHINE FROM ITS SITE AT INDIAN HILL TO WEST GOLD MOUNTAIN, NEAR BELFAIR, WITH A GREAT INCREASE IN COVERAGE THE RESULT. IN FACT THE FIRST NIGHT OF OPERATING, NETED A QSO WITH STATIONS IN VASAIA CALIFORNIA AND PHOENIX ARIZONA. GROUND WAVE COVERAGE IN WESTERN WASHINGTON, IS FROM CENTRALIA TO MT. VERNON WITH MOBILES.

UHF IN GRAYS HARBOR

ACCORDING TO ROGER STEIN, WA7BOC, SPOKESMAN FOR THE GROUP, PLANNING TO BUILD A UHF REPEATER IN THE ABERDEEN AREA HAVE BEEN DROPPED, DUE TO LACK OF INTEREST AND SUPPORT.

SHELTON TO QSY

THE KB7BK REPEATER GROUP, HAVE OPERATED FOR SOME TIME, HAS A 2 METER REPEATER IN THE MASON COUNTY TOWN ON A SHARED NON-PROTECTED FREQUENCY OF 145.13. THEY HAVE BEEN GIVEN THE GREEN LIGHT BY BCFCC AND WILL MOVE TO 146.12/72 AS SOON AS THE NEW CRYSTALS ARRIVE AND RE-TUNING OF THE MACHINE IS COMPLETE. THE SYSTEM'S COVERAGE WILL REMAIN THE SAME AS THE COORDINATION, IS CONDITIONAL.

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R E P E A T E R D I R E C T O R Y A N A L Y S I S

YOU WILL FIND IN THIS NEWSLETTER A BREAKDOWN OF REPEATER ACTIVITY IN THE U.S. AND CANADA. IT IS HARD TO BELIEVE THAT WE NOW HAVE SOME 4,000+, 2 METER REPEATERS (OR IS IT?). LOOKING AT THE LISTINGS, A COUPLE OF INTERESTING THOUGHTS: WASHINGTON STATE IS TIED FOR 3RD PLACE WITH 6 METER REPEATERS; 13TH PLACE WITH 2 METER REPEATERS AND WAY DOWN THE LIST IN THE 220 AND UHF. BOTTOM LINE, WE ARE 15TH IN TOTAL REPEATERS.
IN AREAS WITH THE MOST 2 METER REPEATERS, CALIFORNIA IS 2ND PLACE (370) JUST BEHIND TEXAS, WITH 372. ON 220, IT IS CALIFORNIA, WAY OUT IN FRONT. ON UHF, THE EAST COAST COMES ON STRONG WITH NEW YORK IN THE LEAD, FOLLOWED BY TENNESSEE AND COLORADO.

PLANS ARE UNDERWAY AT THE LEAGUE FOR THE NEW ARRL REPEATER DIRECTORY. YOUR SECRETARY TALKED WITH JIM CLARY (EDITOR) AND DISCUSSED PLANS FOR THE NEW EDITION, NOW BEING COMPILED, ON HOW TO MAXIMISE THE ACCURACY THEREIN. LAST YEAR, FOR EXAMPLE, THE 10 METER REPEATER IN NORTHWEST WASHINGTON WAS LEFT OUT. IT HAS BEEN AGREED THAT THE WWARA WILL, THIS YEAR, FILL OUT A REPEATER DIRECTORY CARD FOR EACH REPEATER IN WESTERN WASHINGTON FROM THE DATA THAT YOU HAVE ON FILE WITH THE WWARA. WILL SUBMIT THIS DIRECTLY TO THE LEAGUE AND MR CLARY.

AS YOU KNOW, THE LEAGUE LISTS REPEATERS BY CITY AND IF IT'S A SMALL TOWN, LISTS THEM UNDER "NORTHWEST", "SOUTHWEST", ETC.. WHAT WE ARE GOING TO DO, THIS TIME, IS TRY AND LIST THE REPEATER BY THE NAME OF THE CITY THAT SPONSORS IT...ie 28/88 REPEATER WILL BE LISTED IN SEATTLE, EVEN THOUGH IT'S NEAR BREMERTON AND THE 96/36 REPEATER WILL BE LISTED AS TACOMA, EVEN THOUGH IT'S NEAR ENUMCLAW. IT IS HOPED THAT THE LEAGUE WILL SEE THE WISDOM OF LISTING THE REPEATERS ELEVATION, FOR THIS IS A TRUE MEASURE OF THE COVERAGE OF THE MACHINE. MR. CLARY WAS URGED TO MAKE THIS CHANGE IN FUTURE YEARS.

THE 20 KHz BAND PLAN, AS USED IN THE NORTHWEST, JUST MIGHT END UP IN THE FRONT OF THE DIRECTORY. MR. CLARY REQUESTED YOUR SECRETARY TO WRITE UP THE PLAN AND EXPLAIN HOW IT'S USED, FOR INCLUSION IN THE NEW DIRECTORY. TO BE RELEASED NEXT APRIL.

THINGS ARE DIFFERENT IN CALIFORNIA! FROM THE LATEST SOUTHERN CALIFORNIA REPEATER AND REMOTE BASE ASSOCIATION NEWS LETTER, COMES THE FOLLOWING LISTING OF THEIR BAND PLANS. *WARNING* THE WWARA AND ARRL BAND PLANS ARE DIFFERENT THAN THESE IN SOME INSTANCES.

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SEE FOLLOWING PAGE FOR REPRINT OF THE SOUTHERN CALIFORNIA BAND PLANS.

ALSO ON THE FOLLOWING PAGE YOU WILL LOCATE THE 1982/1983 REPEATER DIRECTORY ANALYSIS.

THE CHAIRMAN'S CORNER

AS OUR COORDINATOR'S EFFORTS REQUIRE A GREATER USE OF SHARED FREQUENCIES IN WESTERN WASHINGTON ON 2 METERS, NEW AND WOULD-BE REPEATER OWNERS SHOULD TAKE STOCK OF THE PROBLEMS THEY MAY ENCOUNTER IN MAKING THEIR SYSTEMS WORK AND HOW TO KEEP PEACE WITH THEIR CO-CHANNEL NEIGHBOR.

THE MAJOR GOAL OF A SHARED REPEATER IS TO ADEQUATLY SERVE ITS INTENDED AREA, WHILE PROTECTING THE AREA SERVED BY THE CO-CHANNEL SYSTEM.

THE FIRST AND FORMOST CONSIDERATION IS THE LOCATION AND TYPE OF ANTENNA SYSTEM. THE OLD 'GAIN ANTENNA ON THE HIGH HILL' ROUTINE MAY BE THE ANSWER FOR COVERAGE BUT WILL QUITE PROBABLY PENETRATE THE CO-CHANNEL REPEATERS COVERAGE AREA. THERE ARE MANY ANTENNAS AVAILABLE THAT HELP TAYLOR THE RADIATION PATERN TO OBTAIN THE DESIRED COVERAGE, PROTECTION AND IN SOME CASES, REJECTION. SOME OF THESE ARE; BEAM-TILT, DOWN-TILT, CORNER REFLECTORS, COLINEAR REFLECTORS, YAGIS, BI-DIRECTIONAL ARRAYS. ALL OF THESE SERVE THE SPECIFIC PURPOSE OF DIRECTING THE RF WHERE YOU WANT IT.

IT IS OUR HOPE THAT CAREFUL CONSIDERATION BE GIVEN TO ANTENNA SYSTEMS AND SITE SELECTION. THE WWARA STANDS READY TO ASSIST IN ANY WAY TO ASSURE A NEW REPEATER DOESN'T GET STARTED ON THE WRONG FOOT.

ON A DIFFERENT NOTE, THERE IS AN INCREASING INTEREST IN TYING OR LINKING REPEATERS TOGETHER. THIS IS BEING DONE QUITE SUCCESSFUL IN EASTERN WASHINGTON AND HAS BEEN TRIED, TO SOME EXTENT, ON THIS SIDE OF THE CASCADES. THE MOST IMPORTANT ASPECT OF THIS MODE OF OPERATION IS COORDINATION BETWEEN ALL REPEATER GROUPS INVOLVED. THE ARBITRARY TYING TOGETHER OF TWO REPEATERS, WITHOUT PRIOR AGREEMENT OF THE OTHER REPEATER GROUP, CAN CAUSE CONSTERNATION AND CLASHES BETWEEN OWNERS AND USERS ALIKE. THIS WE DON'T NEED!

ONE LEGAL QUESTION COMES TO MIND WHEN TWO REPEATERS ARE TIED TOGETHER. CAN A HAM, OPERATING ON 2 METERS, LEGALLY CONTROL ANOTHER 2 METER REPEATER THROUGH A LOCAL 2 METER REPEATER WITHOUT BENEFIT OF A 220 MHz, OR HIGHER, LINK BETWEEN THE TWO REPEATERS? FOOD FOR THOUGHT.

..JON MARCINKO, W7FHZ, WWARA CHAIRMAN

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DEEP IN THE HEART OF.....

FROM THE LATEST TEXAS VHF FM SOCIETY NEWSLETTER COMES THESE TIDBITS.....

ONE OF THEIR DIRECTOR'S CALL IS WA5RON AND NAME...RON. ALSO A CORPUS CHRISTI AMATEUR, WD5DON HAS THE NAME DON.

MORE SERIOUS STUFF.....W5OGZ, WALT WIEDERHOLD, FREQUENCY COORDINATOR FOR THE LONE STAR STATE, REMARKS IN THE COORDINATORS CORNER THAT IN THE 6 YEARS HE HAS BEEN COORDINATOR, THE STATE HAS PROGRESSED (?) FROM 190 TWO METER REPEATERS TO OVER 370. SPLIT SPLITS (15KHz SPACING) SOME ARE WORKING AND SOME ARE NOT AND STRESSED THAT THE DEVIATION MUST BE KEPT TO 4KHz TO ALLOW THE SPLITS TO WORK PROPERLY. REMEMBER TEXAS USES THE REVERSE PLAN, WITH REPEATER INPUTS INTERLACED WITH REPEATER OUTPUTS.

TEXAS IS KEEPING OPEN THE BOTTOM OF THE 144.5-145.5 BAND FOR NON-FM TRANSLATORS. SOMTHING WE COULD NOT GET ANY INTEREST IN, HERE IN WASHINGTON.

A VERY INTERESTING ARTICLE BY CHUCK ADAMS, WB5WRR, ON CONVERSION OF A MOTOROLA VHF MICOR STATION INTO A 220 REPEATER. IF ANY WWARA MEMBER WOULD LIKE A REPRINT OF THIS, CONTACT THE SECRETARY OR WB5WRR.

:-:-:-

**** ALL REPEATERS THIS PAGE ARE +600 KHZ OFFSET ****

FREQ	COORD	STAT	CALL	CONTACT	SYSTEM SITE	GENERAL LOCATION		ELEV	ACCESS
147.14	S	OP.	KH6IHB	KH6IHB	WLLA WLLA COLL	COLLEGE PLACE	WA	750	COR
147.14	S W	OP.	W7TPF	W7TPF	GRAHAM HILL	TACOMA	WA	965	COR
147.14	S O	OP.	WR7AIB	W7ZZ	CHAN 2 TOWER	PORTLAND	OR	1400	COR
147.15		OP.	W7TNL	W7TNL	ELMER CITY	GRND COULEE DAM	WA		COR
147.15		OP.	WB7CCS	WB7CCS	TAYLOR MTN.	IDAHO FALLS	ID		COR
147.15	B	OP.	VE7RPA	VE7DVB	CITY	PORT ALBERNI	BC	90	COR
147.16	S W	OP.	WA7BOC	K7AJT	COSMOPOLIS HILL	ABERDEEN	WA	680	COR
147.16	S W	OP.	W7FCH	W7FCH	KING MTN.	BELLINGHAM	WA	550	COR
147.16	S O	OP.	K7QEG	K7QEG	FREEZEOUT RIDGE	HEPPNER	OR	5200	COR
147.16	S O	OP.	WA7SSO	WA7SSO	VINEYARD MTN.	CORVALLIS	OR	1700	COR
147.18	S	OP.	WR7AJW	K7OJ	RATTLESNAKE	KENNEWICK	WA	3600	COR/RTTY
147.18	S W	OP.	N7AUH	KK7M	BAKER HEIGHTS	EVERETT	WA	300	COR
147.18	S O	OP.	W7WWG	W7WWG	BORING-KXL	PORTLAND	OR	800	RTTY
147.18	S B	OP.	VE7FVR	VE7AEG		SURREY	BC	300	COR
147.20	S W	OP.	K7PP	K7PP	COUGAR MTN.	SEATTLE	WA	1600	COR/CTCS
147.20	S	OP.	WA7YCP	WA7YCP	BROWN'S MTN.	SPOKANE	WA	3600	COR
147.20	S O	OP.	KA7ENW	KA7ENW	CEDAR BUTTE	LEBANON	OR	1400	COR
147.20	S O	OP.	W7FIO	W7CCV	STACKER BUTTE	THE DALLES	OR	3210	COR
*147.21	B	OP.	VE7ESR	VE7AQU	SO. VANCOUVER	VANCOUVER	BC	400	COR
147.22	S	OP.	KA7ADB	KA7ADB	RATTLESNAKE	YAKIMA	WA		COR
147.22	S W	OP.	K7IYN	K7IYN	WHIDBEY ISLAND	FREELAND	WA	634	COR
147.22	S O	OP.	W7HNR	W7HNR	MT. HEBO	TILLAMOOK	OR	3150	CGR
147.24	S	OP.	WR7ABX		BROWN'S MTN.	SPOKANE	WA	3600	COR
147.24	S W	OP.	WA7IYB	WA7IYB	EAST HILL	AUBURN	WA	400	COR
147.24	S O	OP.	W7AIA	W7AIA	MT. LIVINGSTON	VANCOUVER	WA	1600	COR
147.24	S O	OP.	W7BWO	W7BWO	DODSON BUTTE	ROSEBURG	OR		COR
147.24	S	OP.	WB7NSE	WB7NSE	CINNABAR	BOISE	ID	8403	COR
147.24	S B	OP.	VE7RAC	VE7DVB	COPLEY RIDGE	PORT ALBERNI	BC	3700	COR
>147.26	S W	OP.	WR7ADE	K7PER	WOODINVILLE	WOODINVILLE	WA	625	COR
147.26	S W	OP.	K7ZVV	K7ZVV	COLUMBIA HGTS.	LONGVIEW	WA	1000	COR
147.26	S O	OP.	W7EYR	WB7SPK	LA GRANDE	LA GRANDE	OR		COR
147.26	S O	OP.	W7LVN	W7LVN	BLANTON HEIGHTS	EUGENE	OR	1280	COR
147.27		OP.		WA7LTZ	CITY	LAPWAI	ID		COR
147.27	B	OP.	VE7WRS	VE7CHU	SOUTH BURNABY	BURNABY	BC	700	COR
147.28	S W	OP.	W7DK	WA7FUS	CLUBHOUSE	TACOMA	WA	420	COR
147.28	S O	OP.	WB7GIW	WB7AUF	GRESHAM	GRESHAM	OR		COR
>147.28	S O	OP.	WB7TYD	WB7TYD		NORTH BEND	OR	800	COR
147.30	S	OP.	WC7AAT	WA7UOJ	TOWER MTN.	SPOKANE	WA	3646	COR
147.30	S	OP.	WR7AJK	W7GZN	BETHEL RIDGE	YAKIMA	WA	5490	COR
147.30	S W	OP.	WA7GMV	K7WF	MT. BRYNION	LONGVIEW	WA	1400	COR
147.30	S O	OP.	WB7RQG	WB7RQG	TOWN	MEDFORD	OR	1300	COR
147.30	S O	OP.	W7VTW	W7BFX	YAQUINA HEAD	NEWPORT	OR	360	COR
147.30	S	OP.	WB7PFO	WB7PFO	CITY	BOISE	ID		COR
147.30	S B	OP.	VE7RDX		NO. VANCOUVER	VANCOUVER	BC		COR
147.32	O O	OP.	W7LJN	W7LJN	SO. SADDLE MTN.	HILLSBORO	OR	3500	COR
147.33		OP.	WR7ALP	WA7IPG	MICA PEAK (WA.)	SPOKANE	WA	5205	COR/RTTY
147.33	B	PROP		VE7CRY	49-06',117-42'	TRAIL	BC		COR
*147.33	B	OP.	VE7RSI	VE7BEU	SALT SPRING IS.	VICTORIA	BC	2300	COR
147.34	S	OP.	WA7QXA		BADGER MTN.	TRI-CITIES	WA	1600	COR
147.34	O O	OP.	WA7VKC	WA7VKC	LAKE OSWEGO	PORTLAND	OR	700	COR
147.36	S	OP.	WR7AJF	WB7CJG	FOUR LAKES	SPOKANE	WA	3000	COR
147.36	S W	OP.	W7ZZL	W7ZZL	GRASS MTN.	ENUMCLAW	WA	4380	COR
147.36	S O	OP.	N7DKQ	N7DKQ		PORTLAND	OR		COR
147.36	S	OP.	W7ETU	WA7VEF	CITY	NAMPA	ID	2550	COR
147.38	S W	OP.	K7SSC	K7SSC			WA		COR
147.38	S O	OP.	W7AAV	WA7OTZ	MT. GRIZZLY	MADRAS	OR	5635	COR
147.38	S O	PROP	W7TZO	W7TZO	ELK PT.	MYRTLE PT.	OR	3500	COR
147.39		OP.	WR7AJK	WA7HSJ	SADDLE MTNS.	MATTAWA	WA	3500	COR
147.39	B	PROP			TYNE MTN.	HOPE	BC	6500	COR

* CHANGE FREQ. SOON

LEGEND:

COORDINATIONS: W=WESTERN WASH. O=OREGON. B=BC. S=SHARED.
SNP=SHARED; NON-PROTECTED. >=CHANGED THIS PRINTING.

ACCESS: COR=CARRIER TT=TOUCH TONE(R). CTCSS=SUB-AUDIBLE TONE.
RTTY=2125/2295 OR 2975. TIMED=TIMED CARRIER ACCESS.
CL=CLOSED/PRIVATE.

UPDATES TO THIS LIST ARE APPRECIATED. PLEASE SEND THEM TO K7WWR AND/OR ORRC, INC., 1369 N. E. SUNRISE LANE, HILLSBORO OR 97123.
THANK YOU. 73. LAST PRINTING: MAY 82. THIS REV. CURRENT TO JUL 82.

THIS LIST IS A COURTESY LIST AND COORDINATION DATA IS NOT OFFICIAL. THERE ARE MANY PRIVATE/CLOSED, SNP AND UNCOORDINATED REPEATERS WHICH MAY NOT BE LISTED. DO NOT ASSUME INACTIVITY OF A FREQUENCY BY THIS LIST.

OPERATION ON FREQUENCIES 145.8 TO 146.0 WILL INTERFERE WITH SATELLITE TRANSLATORS. 144.000 TO 144.100 TELEPHONY IS NOT PERMITTED!

2 METER REPEATER LIST
JULY 1982

Compiled by Oregon Region Relay Council

**** ALL REPEATERS THIS PAGE ARE -600 KHZ. OFFSET ****

FREQ	COORD	STAT	CALL	CONTACT	SYSTEM SITE	GENERAL LOCATION		ELEV	ACCESS
145.11	S W	OP.	W7FHZ	W7FHZ	COUGAR MTN.	SEATTLE	WA	2000	CTCS
145.11	S W	PROP	WA7NAN	WA7NAN	CULTUS MTN.	MT. VERNON	WA	4200	CTCS
145.11	S O	PROP	K7WWR	K7WWR		PORTLAND	OR		CTCS
145.13	SNP	OP.	NOTE: CONTACT ORRC OR WWARA FOR INFO ABOUT THIS FREQUENCY						
145.15	WW W	OP.	N7AGG	N7AGG		OLYMPIA	WA		COR
145.15	WW O	PROP	WB7TGZ	WB7TGZ	ODELL BUTTE	OAKRIDGE	OR	7000	COR
145.17	OB O	OP.	W7FBM	W7FBM	MT. WICKIUP	ASTORIA	OR	2700	RTTY
145.17	OB B	OP.	VE7RPE	VE7BOL		VICTORIA	BC	700	COR
145.19	WW W	OP.	W7IXF	W7IXF	LYMAN HILL	SEDRO WOOLLEY	WA	4300	COR
145.21	S W	OP.	WA7BVH	W7GCI	NO. TACOMA	TACOMA	WA	368	COR
145.21	S O	PROP	K7TBL	WB7TGZ	PRAIRIE PK.	EUGENE	OR	3200	COR
145.23	S W	OP.	K7SKW	K7VNI	FERNDALE	BELLINGHAM	WA	350	COR
145.23	S W	OP.	W7YCP	W7YCP	FEDERAL WAY	FEDERAL WAY	WA	500	COR
145.23	S O	OP.	WB7TKY	KA7EXM	WEST HILLS	PORTLAND	OR	1000	CL
145.25	WW W	OP.	N7CZX	W7CGP	CAPITOL PEAK	OLYMPIA	WA	2700	COR
145.25	WW O	PROP	K7UN	K7UN	PARACHUTE HILL	FLORENCE	OR	2400	COR
145.27	OB	PROP	WR7AJK	WA7HSJ	SIGNAL PEAK	GOLDENDALE	WA	5100	COR
145.27	OB B	OP.	VE7RHS	VE7ARR	UNIV. B.C.	VANCOUVER	BC	300	COR
145.29	SNP	OP.	NOTE: CONTACT ORRC OR WWARA FOR INFO ABOUT THIS FREQUENCY						
145.31	S W	OP.	KC7FA	WA7KGT	PORT ORCHARD	BREMERTON	WA	600	COR
145.31	S O	PROP	WA7VKC	WA7VKC	LAKE OSWEGO	LAKE OSWEGO	OR	710	COR
145.33	S W	OP.	K7NWS	WB7SKH	TIGER MTN.	ISSAQUAH	WA	3004	VOX
145.33	S	OP.				COEUR D'ALENE	WA		COR
145.35	OB S	OP.	WA7OOB	WA7OOB	CLATSKANIE MT.	CLATSKANIE	OR	2800	COR
145.35	OB B	OP.	VE7RBY	VE7BAR	SIMON FRASER U.	BURNABY	BC	1000	COR
>145.37	WW W	INT.	W7ZZL	W7ZZL		ENUMCLAW	WA		COR
145.37	WW O	OP.	W7VTW	W7BFX	OTTER CREST	NEWPORT	OR	1070	COR
145.39	S W	OP.	KE7A	KE7A	S. EVERETT	EVERETT	WA	600	COR
145.39	S	PROP	K7FR	K7FR	CITY	WEST RICHLAND	WA	650	COR
145.39	S O	PROP	KA7KUB	KA7KUB	ROCKY BLUFF	OREGON CITY	OR	650	COR
145.41	S	OP.	N7AGM	N7AGM		SPOKANE	WA		CL
145.41	S O	OP.	N7ASM	N7ASM	CLEAR LAKE BU.	MT. HOOD	OR	4458	COR
145.41	OB O	OP.	W7HNR	W7HNR	NEAHKAHNIE MTN.	NEHALEM	OR	2003	COR
145.41	OB B	OP.	VE7RSR	VE7BEU	MT. MC DONALD	VICTORIA	BC	1500	COR
145.43	S W	OP.	KC7RS	KC7RS	BUCKHORN MTN.	WINLOCK	WA	1450	COR
145.43	S	OP.	K7CTS	WA7YCP	MICA PK. (WA.)	SPOKANE	WA	5200	COR
145.43	S B	OP.		VE7DJA	MALISPINA COLL.	NANAIMO	BC	500	COR
>145.45	OB O	OP.	W7KCA	W7KCA	TILLAMOOK HEAD	SEASIDE	OR	1600	COR
145.45	OB B	OP.	VE7RMT	VE7BEU		SIDNEY	BC	200	COR
145.47	S	OP.	WR7AJA	WA7YCP	SUNSET HILL	SPOKANE	WA	2300	CL
145.47	WW W	OP.	K7PIB	K7PIB	GRAHAM (TEMP)	ENUMCLAW	WA	1100	COR
145.49	S W	OP.	K7TGU	K7TGU		ENUMCLAW	WA	797	COR
145.49	S O	INT.	K7FM	K7FM	CHEHALEM MTN.	NEWBERG	OR	1150	COR
145.49	S	OP.	N7CRN	WA7LZH	NATOPOC MTN.	LK. WENATCHEE	WA	3500	COR
146.60	B B	PROP	VE7AZH	VE7AZH		CHILLIWACK	BC	600	COR
146.61	S	OP.	WR7ADM	W7RHX	MONUMENTAL MTN.	COLVILLE	WA	5550	COR
146.61	S	OP.	W7AQ	K7VAS	SELAH GAP	YAKIMA	WA	2000	COR
=146.61	WW W	OP.	WA7FEA	K7RNZ	GOLD MTN.	BREMERTON	WA	1850	COR
146.61	S O	OP.	WR7ADC	W7SO	SCIO	ALBANY	OR		COR
146.61	S O	OP.	WR7ADF	K7MNB	BEAVER HILL	COOS BAY	OR	690	COR
146.61	S O	OP.	WA7YPR	K7DDI	HOGBACK MTN.	KLAMATH FALLS	OR	6198	COR
146.62	S	OP.	KI7B	KI7B	SNOWBANK MTN.	MC CALL	ID	8300	COR
146.64	S	OP.	W7VPA	W7DO	JOHNSON BUTTE	KENNEWICK	WA	2100	COR
146.64	S W	OP.	W7ZTG	W7ZTG	RADIO PAGE TWR	TACOMA	WA	700	COR
146.64	S O	OP.	K7LIX		ALBERT'S MTN.	GRANTS PASS	OR	2000	COR
146.64	S O	OP.	W7LJN	W7LJN	KOIN-TV TOWER	PORTLAND	OR	1200	COR
146.64	S O	PROP	WB7NRI	WB7NRI	STEENS MTN.	FRENCHGLEN	OR	9999	COR
146.64	S	OP.	WB7VAV	WA7ZAQ	IONA BUTTE	IDAHO FALLS	ID		COR
146.64	S B	OP.	VE7ISC	VE7DAR	4 MI. NO. OF	NANAIMO	BC	340	COR

= CHANGE TO 146.62 SOON

TO JOIN THE ORRC, SEND $5 FOR ASSOCIATE MEMBERSHIP OR $10 FOR FULL MEMBERSHIP TO ORRC, INC., 1369 N.E. SUNRISE LANE, HILLSBORO, OR 97123. FULL MEMBERS OPERATE RELAY, REPEATER AND REMOTE BASE SYSTEMS. ASSOCIATE MEMBERS RECEIVE ALL MAILINGS FROM THE COUNCIL, INCLUDING REPEATER LIST UPDATES.

2 METER LISTINGS (Continued)

**** ALL REPEATERS THIS PAGE ARE -600 KHZ. OFFSET ****

FREQ	COORD	STAT	CALL	CONTACT	SYSTEM SITE	GENERAL LOCATION		ELEV	ACCESS
146.66	O	PROP	WA7ZCE	N7CUG	HARNESS MTN.	COTTAGE GROVE	OR	2400	COR
146.67	W	OP.	WR7ADX	W7CCY	MISSION RIDGE	WENATCHEE	WA	6800	COR
146.68 S	O	OP.	WA7CQZ	WB7OVH	PRAIRIE PEAK	EUGENE	OR	3200	COR
146.70 S	W	OP.	WA7HTJ	WA7HTJ	TIGER MTN.	ISSAQUAH	WA	3000	RTTY
146.70 S	O	OP.	WR7AKB	WA7VNN	MT. SCOTT	PORTLAND	OR	1000	COR
146.70 S		OP.	K7ENE	K7ENE	REXBURG HILL	REXBURG	ID		COR
146.70 S	O	OP.	W7KZU	W7KZU	MT. BALDY	MEDFORD	OR		COR
146.70 S		OP.	WB7TBM	W7CVJ	MOSCOW	MOSCOW	ID	2600	COR
146.70 S	B	OP.	VE7RTY	VE7CFC	NO. VANCOUVER	VANCOUVER	BC	800	RTTY
146.72 S	O	OP.	W7RA	W7RA	SPRING BUTTE	SUNRIVER	OR	5000	COR
146.72 S	B	OP.	VE7	VE7BCA	MT. SEYMOUR	VANCOUVER	BC	2800	COR
$146.73	O	OP.	W7KYC	K7BT	LARCH MTN.	VANCOUVER	WA	3400	COR
146.73		OP.	K7MM	K7VED	KAMIAK BUTTE	PULLMAN	WA	3040	COR
146.73	O	OP.	WA7JAW	WA7JAW	GOLD MTN.	GOLD BEACH	OR		COR
146.74 S	W	OP.	WR7AEF	K7VNI	MT. CONSTITUTION	BELLINGHAM	WA	2530	COR
>146.74 S	O	PROP	K7OLN	K7OLN	HOODOO SKI BOWL		OR		COR
146.76 S		INT.	WR7ALF	W7SCW	BREWSTER FLAT	BREWSTER	WA	1200	COR
146.76 S		OP.	WA7DUH	WA7ACO	JUMPOFF JOE BU.	RICHLAND	WA	2200	COR
146.76 WO	W	OP.	W7FEL	W7LG	STRIPED PEAK	PORT ANGELES	WA	1340	COR
146.76 WO	O	PROP	WR7AGX	WB7OVH		ROSEBURG	OR		COR
146.76 WO	O	OP.	WR7ANE	WA7UYS	MT. NICOLAI	ASTORIA	OR	3020	COR
146.76 S	O	OP.	WB7RHC	WB7NRI	BURNS BUTTE	BURNS	OR	1307	COR
146.76 S		OP.	N7GA	N7GA	HANSEN BUTTE	TWIN FALLS	ID		COR
146.76 S		OP.	K7NDX	K7NDX	2 MI. NO. OF	OROFINO	ID	3000	COR
146.76 S	B	INT.	VE7APH	VE7BTJ		SALMON ARM	BC		COR
146.78 S	W	OP.	WR7AEN	WB7UFR	MOUNTLAKE TERR.	SEATTLE	WA	580	COR
146.79		OP.	K7UGF		MARY'S PEAK	CORVALLIS	OR	4200	COR
146.80 S	W	OP.	K7KNZ	K7KNZ	TUMWATER HILL	OLYMPIA	WA	500	COR
>146.80 S	O	OP.	W7DP	W7DP	SPOUT SPRINGS	TOLLGATE	OR	5700	COR
146.80 S	B	OP.	VE7RMR	VE7HI	MAPLE RIDGE	HANEY	BC	450	COR
146.82 WW	W	OP.	WR7AIQ	WA7FLI	SQUAK MTN.	RENTON	WA	2000	COR
146.82 S	O	OP.	WR7ADD	WB7OVH	MARY'S PEAK	CORVALLIS	OR	4050	COR
146.82 S		OP.	WR7ABX	WA7HWD	MOSCOW MTN.	MOSCOW	ID	3800	COR
146.82 S		OP.	WA7VNR	WA7MXN	DEER POINT	BOISE	ID	7070	COR
146.82 S	B	OP.	VE7ROK	VE7BVO	BLACK KNIGHT	KELOWNA	BC	4200	COR
146.82 S	B	PROP			HARMER RIDGE	CROWS NEST	BC		COR
146.84 OB	B	INT.	VE7CAQ	VE7BWD	RED MTN.	TRAIL	BC	5500	COR
146.84 OB	B	OP.	VE7VIC	VE7BEU	MT. MCDONALD	VICTORIA	BC	1500	COR
146.85		OP.	W7GZN	W7GZN	E. AHTANUM RIDGE	YAKIMA	WA	2000	COR
146.85	O	OP.	K7DDI	K7DDI	HAMAKER MTN.	KLAMATH FALLS	OR	6256	COR
146.85		OP.	KA7FDR		JUMP OFF MTN.	IDAHO FALLS	ID	7500	COR
146.85		OP.	W7VJD	WA7UZG	KOEW XMTR SITE	LEWISTON	ID	2900	COR
146.85	B	OP.	VE7RKA	VE7AMF	GREEN STONE	KAMLOOPS	BC	5900	COR
146.86 S	W	OP.	KE7C	KE7C	WHIDBEY IS.	OAK HARBOR	WA	400	COR
146.86 S	O	OP.	W7RDR	W7RDR	ILWACO WA	ASTORIA	OR	500	COR
146.86 S	O	OP.	W7TMF	W7TMF	PROSPECT HILL	SALEM	OR		COR
146.88 WW	W	OP.	SEVERAL	K7PF	GREEN MTN.	SEATTLE	WA	1700	COR
146.88 S		OP.	WR7ACF	WB7CJH	MICA PEAK	SPOKANE	WA	5200	COR
146.88 WW	O	OP.	K7VJO	WA7CQZ	BLANTON HEIGHTS	EUGENE	OR	2200	COR
146.88 S	O	OP.	W7ZKH	W7ZKH	CABBAGE HILL	PENDLETON	OR	3300	COR
146.88 S		OP.	W7ID	W7ZRQ	DEER POINT	BOISE	ID	7070	COR
146.88 S	B	OP.	VE7RPG	VE7BPR	TABOR MTN.	PRINCE GEORGE	BC	4100	COR
146.88 S	B	OP.	VE7RSS	VE7BTJ	SILVER STAR	VERNON	BC	6200	COR
146.90 S		OP.	WR7ABZ	W7CCY	NENANUM RIDGE	WENATCHEE	WA	6700	COR
>146.90 S	W	OP.	WA7TWB	WA7TWB	OWL HILL	ORCAS ISLAND	WA	330	CTCS
146.90 S	W	OP.	AC7T	K7AJT	NEILTON PEAK	ABERDEEN	WA	2188	COR
146.90 S	O	OP.	WA6GBC	WA6GBC	KPIC TOWER	ROSEBURG	OR	1800	COR
146.90 S	O	INT.	K7WWG	K7WWG	TOM DICK MTN.	MOUNT HOOD	OR	5020	COR

$ CHANGE TO 146.84 SOON

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RTTY=2125/2295 OR 2975 TIMED=TIMED CARRIER ACCESS
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THANK YOU 73

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OPERATION ON FREQUENCIES 145.8 TO 146.0 WILL INTERFERE WITH SATELLITE TRANSLATORS

**** THE FOLLOWING REPEATERS ARE -600 KHZ. OFFSET ****

FREQ	COORD	STAT	CALL	CONTACT	SYSTEM SITE	GENERAL LOCATION		ELEV	ACCESS
146.92 S	W	OP.	K7KSZ	K7KSZ	MT. PILCHUK	EVERETT	WA	3000	COR/CTCS
146.92 S		OP.	K7UEB		W.W. COLLEGE ARC	COLLEGE PLACE	WA	750	COR
146.92 S	G	PROP	WA7OWM	WA7OWM	MT. PISGAH	PRINEVILLE	OR		COR/RTTY
146.92 S	O	OP.	WB7REA	K7UN	HERMAN PEAK	FLORENCE	OR	2500	COR
146.94 S		OP.	WR7ABZ	W7CCY	AHTANUM RIDGE	YAKIMA	WA	2500	COR
146.94 S		OP.	WR7ACE	WB7CJH	MT. SPOKANE	SPOKANE	WA	5881	COR
146.94 OB	O	OP.	WR7AKB	WA7VNN	MT. SCOTT	PORTLAND	OR	1000	COR
146.94 S	O	INT.	WR7AOW	K7TMR	BLACK CAP MTN.	LAKEVIEW	OR	4420	COR
146.94 S	O	OP.	W7OFY	W7KZU	KING MTN.	MEDFORD	OR	5265	COR
146.94 S	O	OP.	WA7TPD	W7KYO	AWBREY BUTTE	BEND	OR		COR
146.94 S		OP.	WR7ANA	W7ZRQ	SHAFFER BUTTE	BOISE	ID	7591	COR
146.94 S		OP.	K7ENE	K7ENE	GARNES MTN.	DRIGGS	ID		COR
146.94 S	B	OP.	VE7AFG	VE7DSN	PRINCE GEORGE	PRINCE GEORGE	BC	2000	COR
146.94 S	B	OP.	VE7CAP	VE7CR	7 MI. S.E. OF	CRANBROOK	BC	7200	COR
146.94 S	B	OP.	VE7DSO	VE7BVA	POTATO MTN.	WILLIAMS LAKE	BC		COR
146.94 S	B	OP.	VE7KAR	VE7AMF	DUFFERIN MTN.	KAMLOOPS	BC	3000	COR
146.94 S	B	OP.	VE7OKN	VE7ALV	MT. KOBAU	PENTICTON	BC	6148	COR
146.94 S	B	OP.	VE7RDC		BEAR MTN.	DAWSON CREEK	BC		COR
146.94 OB	B	OP.	VE7RPT	BCFCC	MT. SEYMOUR	VANCOUVER	BC	3200	TIMED
146.94 S	B	OP.	VE7RGC		SANDSPIT	MASSETT	BC		COR
146.94 S	B	OP.				NELSON	BC		COR
146.94 S	B	OP.				PORT HARDY	BC		COR
146.96 S	W	OP.	WB7OUG	WA7YEX	QUEEN ANNE HILL	SEATTLE	WA	600	COR
146.96 S		OP.	W7LKH	W7LKH		BONNERS FERRY	ID		COR
146.97		OP.	KA7L	KA7L	OMAK MTN.	OMAK	WA	5740	COR
146.97	O	OP.	WA7GEX	WA7GEX	GOAT MTN.	PORTLAND	OR	4500	COR
$146.97	B	OP.	VE7RCK	VE7AND	VEDDER MTN.	CHILLIWACK	BC	2000	COR
146.98 S	W	OP.	W7KKN	W7KKN	3 SISTER MTN.	ENUMCLAW	WA	4000	COR/CTCS
146.98 S	O	OP.	W7EXH	W7EXH	FAIRVIEW MTN.	COTTAGE GROVE	OR	5933	COR
146.98 S		OP.	W7LQT	W7GNU	MICA PEAK (ID.)	COEUR D'ALENE	ID	6500	COR
147.00 S	W	OP.	WR7AIN	WA7GRE	SUMMERSET HILL	SEATTLE	WA	1000	COR
147.00 S	O	OP.	WR7AKB	WA7VNN	HEALY HEIGHTS	PORTLAND	OR	1000	COR
147.00 S		OP.	W4PJS	WB7SPK	EOSC	LA GRANDE	OR	2800	COR
147.00 S		OP.	WA7UHW	W7CFL	MT. HARRISON	BURLEY	ID		COR
147.00 S	B	OP.	VE7ELK	VE7BHG	6 MI. SO. OF	CHILLIWACK	BC	1100	COR
147.06 B	B	OP.	VE7BTU	VE7ABK	ELEPHANT MTN.	NELSON	BC	5800	COR
147.06 B	B	INT.	VE7RGL		DRAGDON MTN.	QUESNEL	BC		COR
147.06 B	B	OP.	VE7RSJ	VE7CCP	18 MI. N.W. OF	FORT ST. JOHN	BC	500	COR

**** THE FOLLOWING REPEATERS ARE +600 KHZ OFFSET ****

147.00 S		OP.	K7TGH	K7TGH	RATTLESNAKE RDG.	RICHLAND	WA	3100	COR
147.02 S	O	OP.	WA7OWM	WA7OWM	MT. SNOW	SALEM	OR	4300	COR/RTTY
147.02 S	B	OP.	VE7RAG	VE7ACJ	MT. SEYMOUR	VANCOUVER	BC	3200	COR
^147.03		OP.	K7RYE	WA7FJT	CARNY BUTTE	HERMISTON	OR	550	COR
147.04 S	W	OP.	N7NW	W7SLB	MT. LARKIN	EATONVILLE	WA	1025	COR
147.04 S	O	OP.	W7VTW	W7BFX		WALDPORT	OR	1400	COR
147.06 WW	W	OP.	WR7ACB	(BAWFAW)	MT. BOISTFORT	CHEHALIS	WA	3170	COR
147.06 S		OP.	W7NXN	W7NXN	LOOKOUT MTN.	SPOKANE	WA	3340	COR
147.06 S	O	OP.	W7EIV	W7EIV	QUARTZ MTN.	BAKER	OR	4800	COR
147.06 S	O	INT.	K7YLO	N7BGW	PINE MTN.	BEND	OR		COR
147.06 S		OP.	WR7AMN	N7DN	MT. KINPORT	POCATELLO	ID		COR
147.08 S	W	OP.	W7WWI	W7WWI	COUGAR	SEATTLE	WA	1600	COR
147.08 S	O	OP.	W7CCV	W7CCV	I-84/U.S. 97	MARYHILL	WA	2970	COR
=147.09		OP.	K7MM	K7MM	TOWN	PULLMAN	WA		COR
=147.09	O	OP.	WA7CQZ	WA7CQZ	SHIELDS AVE.	EUGENE	OR	800	COR/CL
147.10 S	O	OP.	N7DNV	N7DNV	MT. DEFIANCE	HOOD RIVER	OR	4960	COR
147.10 S	O	OP.	K7TTQ	K7TTQ	WEST HILL	KENT	WA	375	CTCS
147.12 S		OP.	WB7SML	WB7SML	COOK MTN.	NEWPORT	WA		COR
147.12 S	O	INT.	WA7JAW	WA7JAW	NOAH'S BUTTE	COOS BAY	OR	500	COR
147.12 S		OP.	K7OJI	N7AA	CITY	ONTARIO	OR	2150	COR
147.12 OB	O	OP.	W7RDK	WA7GEX	TIMBERLINE	MT. HOOD	OR	7000	COR
147.12 OB	B	OP.	VE7VAN		HOLLYBURN RIDGE	VANCOUVER	BC	2650	COR

= CHANGE TO 147.08 SOON ^ CHANGE TO 147.24 SOON $ CHANGE TO 147.10 SOON

TO JOIN THE ORRC, SEND $5 FOR ASSOCIATE MEMBERSHIP OR $10 FOR FULL MEMBERSHIP TO ORRC, INC. 1369 N.E. SUNRISE LANE, HILLSBORO, OR 97123
FULL MEMBERS OPERATE RELAY, REPEATER AND REMOTE BASE SYSTEMS.
ASSOCIATE MEMBERS RECEIVE ALL MAILINGS FROM THE COUNCIL, INCLUDING REPEATER LIST UPDATES.

1982/1983 REPEATER DIRECTORY ANALYSIS

	29	52	144	222	442	1215+	ATV	TOTAL
ALABAMA	1	0	55	0	2	0	0	58
ALASKA	0	0	25	0	2	0	1	28
ARIZONA	0	1	69	6	13	0	2	91
ARKANSAS	0	0	50	0	4	0	0	54
CALIFORNIA	5	9	370	116	33	0	4	537
COLORADO	1	0	99	10	71	0	1	182
CONNECTICUT	0	0	47	14	4	0	1	66
DELEWARE	0	0	93	3	1	1	0	14
FLORIDA	0	3	88	11	8	0	1	111
GEORGIA	0	0	65	2	0	0	1	68
HAWAII	0	0	26	0	1	0	0	27
ILLINOIS	3	0	101	37	29	0	1	171
INDIANA	1	8	119	16	18	0	1	163
IOWA	0	0	76	6	8	0	0	90
KANSAS	2	11	86	7	11	0	0	117
KENTUCKY	0	2	75	0	1	0	0	78
LOUISIANA	0	4	84	4	23	0	0	115
MAINE	0	0	16	0	2	0	0	18
MARYLAND (D.C.)	1	1	46	8	22	0	2	80
MASSACHUSETTS	1	5	76	18	10	0	1	111
MICHIGAN	1	8	136	19	41	6	0	211
MINNESOTA	0	5	97	3	17	2	0	124
MISSISSIPPI	0	0	64	0	0	0	0	64
MISSOURI	1	0	75	7	8	0	0	91
MONTANA	0	0	32	2	2	0	0	36
NEBRASKA	0	0	39	5	0	0	0	44
NEVADA	0	0	13	1	0	0	0	14
NEW HAMPSHIRE	0	2	15	1	2	0	0	20
NEW JERSEY	1	3	76	33	20	0	1	134
NEW MEXICO	0	1	22	3	3	0	0	29
NEW YORK	1	10	195	43	109	0	1	359
NORTH CAROLINA	0	7	110	16	5	0	0	138
NORTH DAKOTA	0	0	18	0	0	0	0	18
OHIO	1	4	112	25	14	0	4	180
OKLAHOMA	0	0	23	1	3	0	0	27
OREGON	0	4	74	4	6	0	0	88
PENNSYLVANIA	1	3	129	16	11	0	4	164
PUERTO RICO	0	0	28	0	0	0	0	28
RHODE ISLAND	0	0	11	4	0	0	0	15
SOUTH CAROLINA	0	0	56	3	2	0	0	61
SOUTH DAKOTA	0	0	20	0	0	0	0	20
TENNESSEE	4	0	105	6	11	0	2	136
TEXAS	2	1	372	61	96	0	2	534
UTAH	2	1	9	0	1	0	0	13
VERMONT	0	0	11	0	1	0	0	12
VIRGINIA	0	1	90	2	19	0	0	112
WASHINGTON	0	9	91	4	10	0	0	114
WEST VIRGINIA	0	0	55	1	3	0	0	59
WISCONSIN	0	5	105	14	27	0	1	152
WYOMING	0	0	22	0	2	0	0	24
TOTALS	29	116	3807	532	686	7	33	5210

SOUTHERN CALIFORNIA BAND PLANS
JULY 1982

10 METERS 28.00-29.70 MHz

PAIR	INPUT	OUTPUT	
1	29.52 MHz	29.62 MHz	20 KHz CHANNELS
2	29.54	29.64	16F3 EMISSIONS
3	29.56	29.66	100 KHz REPEAT SPACING
4	29.58	29.68	107.2 OR 156.7 Hz CTCSS INPUT PROTECTION
SIMPLEX	29.50 29.60*		RECOMMENDED

6 METERS 50.00-54.00 MHz

	800 KHz REPEAT SPACING		300 KHz REPEAT SPACING		
PAIR	INPUT	OUTPUT	INPUT	OUTPUT	
1	52.02 MHz	52.82 MHz	52.20 MHz	52.50 MHz	20 KHz CHANNELS
2	52.04	52.84	52.26	52.56	16F3 EMISSIONS
3	52.06	52.86	52.28	52.58	300 KHz REPEAT SPACING
4	52.08	52.88	52.30	52.60	800 KHz REPEAT SPACING
5	52.10	52.90	52.32	52.62	CTCSS INPUT PROTECTION
6	52.12	52.92	52.34	52.64	RECOMMENDED
7	52.14	52.94	52.36	52.66	
8	52.16	52.96	52.38	52.68	
9	52.18	52.98	52.40	52.70	
10	52.22	53.02	52.42	52.72	
11	52.24	53.04	52.44	52.74	

SIMPLEX 52.46 (REMOTE BASE ONLY) 52.48 52.525* 52.54 52.76 52.78 52.80 53.00

75 CENTIMETERS 420-450 MHz

AUXILARY LINKS AND A T V	ATV, SSB, AM & CW	ONE WAY LINKS	REPEATER & CONTROLLED INPUT	REMOTELY STATIONS OUTPUT

420 430 438 440 445 450

440-450 MHz 25KHz CHANNELS, 20F3 (+/-5 KHz DEVIATION), 5 MHz REPEAT SPACING
SIMPLEX 439.500(ATV COMMUNICATIONS, 20F3 EMISSIONS) 446.000 446.500
TEST PAIR 441.875 INPUT/446.875 OUTPUT
ATV VISUAL 434.000 426.250
ATV AURUAL 438.500 430.750 (+/- 25KHz deviation)

23 CENTIMETERS 1215-1300 MHz (1240-1300 MHz**)

ATV CH.#	CHANNEL	VIDEO CARRIER	FM RELAY & LINKS*** CHANNELS	WEAK SIGNAL CHANNELS	SATELLITE CHANNELS**
1	1240-1246	1241	1246-1252	1295-1297	1260-1270
2	1248-1258	1253	1258-1264		
3	1260-1270	1265	1270-1276		
4	1272-1282	1277	1282-1288		
5	1284-1294	1289	1294-1295		
			1297-1300		

VESTIGAL SIDEBAND FILTERING REQUIRED ON CH. 1 AND IS RECOMMENDED FOR ALL OTHER ATV CHANNELS.
* NATIONAL SIMPLEX FREQUENCY
** PER 1979 WARC
*** STANDARDS UNDER DEVELOPMENT

FOR SALE OR TRADE:
1 EACH POLARRAD SPECTRUM (ANALYZER) - 10 MHz TO 40.2 GHz - MODEL SA84W
1 EACH G.E. 250 WATT HIGHBAND MSTR PRO AMPLIFIER
SEVERAL 450 MHz RCA MOBILE RADIOS - 80 WATTS
CONTACT JON MARCINKO, W7FHZ
839-7688 - 325-7575

****

WANTED:
6 METER OR 6 METER CONVERTABLE A.C. BASE STATIONS
CONTACT CLAY FREINWALD, K7CR
584-2988 - 572-4730

****

WANTED:
6 METER AM RECEIVER.
CONTACT DICK RYAN, W7RGD
627-0922

****

WANTED:
450 MHz MOTRAC W/PL
CONTACT MIKE OLDS, WA7ZUS
445-2273

:-

ARRL BULLETIN NR 70 BT
H.R.5008 HAS SUCCESSFULLY CLEARED THE FINAL HURDLES THROUGH THE U.S. CONGRESS. THIS BILL WOULD GIVE THE FCC AUTHORITY TO REGULATE THE SUSCEPTIBILITY OF ELECTRONIC EQUIPMENT TO RFI, EXEMPT RADIO AMATEURS FROM THE SECRECY PROVISIONS OF SECTION 605 OF THE COMMUNICATIONS ACT, AUTHORIZE THE FCC TO USE VOLUNTEERS TO MONITOR FOR RULES VIOLATIONS AND PREPARE AND ADMINISTER AMATEUR LICENSE EXAMINATIONS AND OPEN THE WAY FOR 10 YEAR LICENSE TERMS. H.R.5008 AND SENATOR GOLDWATER'S S.929 WERE COMBINED WITH J.R.3239, THE NATIONAL TELECOMMUNICATIONS AND INFORMATION ADMINISTRATION APPROPRIATIONS BILL FOR FISCAL 1983, WHICH WAS APPROVED BY THE HOUSE AND SENATE ON AUGUST 18, 1982 AND CLEARED BY THE APPROPRIATE CONFERENCE COMMITTEES AUGUST 19, 1982. THE BILL IS ON ITS WAY TO THE PRESIDENT FOR HIS SIGNATURE.(*) ALL AMATEUR PROVISIONS REMAIN INTACT IN THE FINAL BILL AR
(*) LATE NEWS--THE BILL WAS SIGNED BY THE PRESIDENT.

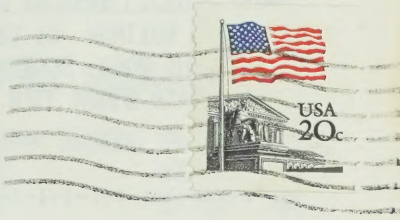
ARRL BULLETIN NR 69 BT
ARRL EFFORTS LED TO FCC MODERATING ITS PROPOSAL TO PERMIT INLAND OPERATION OF NONGOVERNMENT RADIOLOCATION STATIONS IN THE 420 TO 450 MHz BAND. A REPORT AND ORDER IN DOCKET 80 135 LIMITS SUCH OPERATION TO SPREAD SPECTRUM EMISSION ONLY, WITH A FREQUENCY LIMITATION OF 420 TO 435 MHz, A POWER LIMITATION OF 60 WATTS AND A REQUIREMENT FOR A MANUFACTURER'S IDENTIFIER TO BE BUILT INTO THE EMISSION TO AID IN TRACKING DOWN INTERFERENCE. CONVENTIONAL PULSE RANGING SYSTEMS IN THE 420 TO 450 MHz BAND WILL CONTINUE TO BE PERMITTED ONLY IN COASTAL AREAS. NONGOVERNMENT RADIOLOCATION MUST NOT CAUSE INTERFERENCE TO AMATEUR STATIONS. FOR MORE BACKGROUND, SEE THE HAPPENINGS COLUMN IN THE SEPTEMBER AND DECEMBER 1981 ISSUES OF QST AR

ARRL BULLETIN NR 67 BT
ATTENTION REPEATER ENTHUSIASTS. THE DEADLINE FOR REGISTERING YOUR REPEATER FOR THE NEXT EDITION OF THE ARRL REPEATER DIRECTORY IS NOVEMBER 1, 1982. PLEASE REGISTER YOUR REPEATER ON FORM CD 240, AVAILABLE FOR AN S.A.S.E., TO INSURE THE ACCURACY OF THE NEW EDITION. SEND ALL INFORMATION TO ARRL COMMUNICATIONS DEPARTMENT, 225 MAIN STREET, NEWINGTON, CT 06111 AR

ARRL BULLETIN NR 65
AT THE REQUEST OF THE NATIONAL CABLE TELEVISION ASSOCIATION THE FCC GRANTED AN EXTENSION OF THE COMMENT DEADLINES IN RM 4040,THE LEAGUES JANUARY 12, 1982 PETITION FOR RULEMAKING TO BAR CATV OPERATION AT AMATEUR FREQUENCIES. THE ACTION EXTENDS THE PREVIOUS DEADLINES TO SEPTEMBER 1ST FOR COMMENTS, AND SEPTEMBER 15TH FOR REPLIES TO COMMENTS. IN ITS ORDER THE COMMISSION STATED QUOTE "WE SHOULD ENCOURAGE THE PARTIES IN THEIR EFFORTS TO REACH A MUTUALLY AGREEABLE RESOLUTION OF THEIR PROBLEMS" AND THEREFORE CONCLUDE THAT NCTA HAS SHOWN GOOD CAUSE FOR THE REQUESTED EXTENSION. DETAILS TO FOLLOW IN QST AR

W. W. A. R. A.
8515 IDLEWOOD DR SW
TACOMA, WASH. 98498

TACOMA, WA
-PM
OCT 15
1982
286



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